

| <b>L<br/>Number</b> | <b>Hits</b> | <b>Search Text</b>  | <b>DB</b>  | <b>Time stamp</b>           |
|---------------------|-------------|---|--|-----------------------------|
| <b>1</b>            | <b>275</b>  | <b>706/14</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/06/18<br/>07:28</b> |
| <b>2</b>            | <b>236</b>  | <b>706/14 and @ad&lt;20000622</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/06/18<br/>07:33</b> |
| <b>3</b>            | <b>331</b>  | <b>706/12</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/06/18<br/>07:33</b> |
| <b>4</b>            | <b>297</b>  | <b>706/12 and @ad&lt;20000622</b>   | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/06/18<br/>07:41</b> |
| <b>5</b>            | <b>137</b>  | <b>"knowledge base" and expert and inference<br/>and engine and management and system<br/>and graphical</b>                       | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/06/18<br/>07:41</b> |
| <b>6</b>            | <b>109</b>  | <b>("knowledge base" and expert and inference<br/>and engine and management and system<br/>and graphical) and @ad&lt;20000622</b> | <b>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</b> | <b>2003/06/18<br/>07:41</b> |

| Membership | Publications/Services | Standards | Conferences | Careers/Jobs |
|------------|-----------------------|-----------|-------------|--------------|
|------------|-----------------------|-----------|-------------|--------------|

Welcome  
United States Patent and Trademark Office

## Quick Links

» Se

Your search matched **2** of **945745** documents.

A maximum of **2** results are displayed, **50** to a page, sorted by **Relevance** in **descending** order.

You may refine your search by editing the current search expression or entering a new one the text b

Then click **Search Again**.

(((inference engine) and (partial order)) and ((1950 <in> py) or (1951 <in> py) or (1952

**Search Again**

### Results:

Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

## 1 Temporal unification and the temporal partial order

*Penberthy, J.S.;*

Artificial Intelligence for Applications, 1988., Proceedings of the Fourth Conference  
14-18 March 1988

Page(s): 223 -228

[Abstract] [PDF Full-Text (512 KB)] **IEEE CNF**

## 2 Compiling a rule database program into a C/SQL application

*Kiernan, G.; de Maindreville, C.;*

Data Engineering, 1991. Proceedings. Seventh International Conference on , 8-1991

Page(s): 388 -395

[\[Abstract\]](#) [\[PDF Full-Text \(580 KB\)\]](#) **IEEE CNF**

 **Print Format**



[> home](#) [> about](#) [> feedback](#) [> login](#)

US Patent & Trademark Office



Try the *new* Portal design

Give us your opinion after using it.

Search Results

Nothing Found

Your search for **[(inference engine) and (partial order planner)]** did not return any results.

You can try to [rerun it within the Portal](#).

You may revise it and try your search again below or click advanced search for more options.

▲

▼

SEARCH

[\[Advanced Search\]](#) [\[Search Help/Tips\]](#)



[Complete Search Help and Tips](#)

The following characters have specialized meaning:

| Special Characters | Description   |
|--------------------|---|
| , ( ) [            | These characters end a text token.  |
| = > < !            | These characters end a text token because they signify the start of a field operator. (! is special: != ends a token.)                  |
| ` @ \ Q < { [ !    | These characters signify the start of a delimited token. These are terminated by the end character associated with the start character. |

[> home](#) [> about](#) [> feedback](#) [> login](#)

US Patent &amp; Trademark Office

Try the *new* Portal design

Give us your opinion after using it.

## Search Results

Search Results for: [(inference engine) and (partial order) ]

Found 39 of 111,478 searched. → [Rerun within the Portal](#)

Search within Results

 [> Advanced Search](#)  
[> Search Help/Tips](#)Sort by: [Title](#) [Publication](#) [Publication Date](#) [Score](#) [Binder](#)Results 1 - 20 of 39 [short listing](#) [Prev Page](#) 1 [2](#) [Next Page](#)1 [Belief reasoning in MLS deductive databases](#)

84%



Hasan M. Jamil

**ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data** June 1999

Volume 28 Issue 2

It is envisaged that the application of the multilevel security (MLS) scheme will enhance flexibility and effectiveness of authorization policies in shared enterprise databases and will replace cumbersome authorization enforcement practices through complicated view definitions on a per user basis. However, as advances in this area are being made and ideas crystallized, the concomitant weaknesses of the MLS databases are also surfacing. We insist that the critical problem with the current mo ...

2 [Region-based memory management in cyclone](#)

82%









Dan Grossman , Greg Morrisett , Trevor Jim , Michael Hicks , Yanling Wang , James Cheney

**ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2002 Conference on Programming language design and implementation** May 2002


Volume 37 Issue 5

Cyclone is a type-safe programming language derived from C. The primary design goal of Cyclone is to let programmers control data representation and memory management without sacrificing type-safety. In this paper, we focus on the region-based memory management of Cyclone and its static typing discipline. The design incorporates several advancements, including support for region subtyping and a coherent integration with stack allocation and a garbage collector. To support separate compilation, C ...

- 3 CSA: two paradigms of the language for adaptive expert systems 82%  
 Eugeniusz Eberbach  
**Proceedings of the 19th annual conference on Computer Science** April 1999
- 4 Ordered chaining calculi for first-order theories of transitive relations 82%  
 Leo Bachmair , Harald Ganzinger  
**Journal of the ACM (JACM)** November 1998  
Volume 45 Issue 6  
We propose inference systems for binary relations that satisfy composition laws such as transitivity. Our inference mechanisms are based on standard techniques from term rewriting and represent a refinement of chaining methods as they are used in the context of resolution-type theorem proving. We establish the refutational completeness of these calculi and prove that our methods are compatible with the usual simplification techniques employed in refutational theorem provers, such as subsump ...
- 5 Finding patterns common to a set of strings (Extended Abstract) 80%  
 Dana Angluin  
**Proceedings of the eleventh annual ACM symposium on Theory of computing** April 1979  
We motivate, formalize, and study a computational problem in concrete inductive inference. A “pattern” is defined to be a concatenation of constants and variables, and the language of a pattern is defined to be the set of strings obtained by substituting constant strings for the variables. The problem we consider is, given a set of strings, find a minimal pattern language containing this set. This problem is shown to be effectively solvable in the general case and to lead to cor ...
- 6 Static array storage optimization in MATLAB 80%  
 Pramod G. Joisha , Prithviraj Banerjee  
**ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2003 conference on Programming language design and implementation** June 2003  
Volume 38 Issue 5  
Static array storage optimization in MATLAB.
- 7 Inductive Inference: Theory and Methods 80%  
 Dana Angluin , Carl H. Smith  
**ACM Computing Surveys (CSUR)** September 1983  
Volume 15 Issue 3
- 8 The partition model: a deductive database model 80%  
 Nicolas Spyratos  
**ACM Transactions on Database Systems (TODS)** March 1987  
Volume 12 Issue 1  
We present a new database model in which each attribute is modeled by a family of disjoint subsets of an underlying population of objects. Such a family is called a partitioning, and the set of all partitionings is turned into a lattice by appropriately defining product and sum. A database is seen as a function from a sublattice into the lattice of partitionings. The model combines the following features: (1) syntactic simplicity (essentially that of the relational model), < ...

**9 Real-time reasoning with PROLOG**


77%

 Chunsik Yi , Steven Graham**Proceedings of the 1990 ACM SIGSMALL/PC symposium on Small systems** February 1990

In this paper, we present a description of a Prolog implementation of a system (RTR) for "real-time reasoning", similar to those discussed by Perlis (see [3] and [6]). The reasoning to be performed by the system is "real-time" in two different senses. First, reasoning is considered to be a continuing process rather than an isolated calculation of the consequences of an axiom set, with such a process being analogous to that required to create a computer or robotic sys ...

**10 Decision tree reduction**

77%

 J. R. B. Cockett , J. A. Herrera**Journal of the ACM (JACM)** October 1990

Volume 37 Issue 4

The reduction algorithm is a technique for improving a decision tree in the absence of precise cost criterion. The result of applying the algorithm is an irreducible tree that is no less efficient than the original, and may be more efficient. Irreducible trees arise in discrete decision theory as an algebraic form for decision trees. This form has significant computational properties. In fact, every irreducible is optimal with respect to some expected testing cost criterion and is strict ...

**11 Presentation**


77%

 **Proceedings of the 1980 workshop on Data abstraction, databases and conceptual modeling** June 1980

Presentation is intended to encompass notations and languages for expressing models. This session will focus on the linguistic and notational choices made in particular approaches. Emphasis will be placed on common ideas. For example, there have been some assertions from proponents of the predicate calculus that it is a notation that is capable of expressing essentially all the interesting and important concepts that are encountered in other notations. Emphasis will also be placed on why th ...

**12 Coercion and type inference**


77%

 John C. Mitchell**Proceedings of the 11th ACM SIGACT-SIGPLAN symposium on Principles of programming languages** January 1984

A simple semantic model of automatic coercion is proposed. This model is used to explain four rules for inferring polymorphic types and providing automatic coercions between types. With the addition of a fifth rule, the rules become semantically complete but the set of types associated with an expression may be undecidable. An efficient type checking algorithm based on the first four rules is presented. The algorithm is guaranteed to find a type whenever a type can be deduced using the four ...

**13 Cyc: toward programs with common sense**

77%


 Douglas B. Lenat , R. V. Guha , Karen Pittman , Dexter Pratt , Mary Shepherd**Communications of the ACM** August 1990

## Volume 33 Issue 8

Cyc is a bold attempt to assemble a massive knowledge base (on the order of 108 axioms) spanning human consensus knowledge. This article examines the need for such an undertaking and reviews the authors' efforts over the past five years to begin its construction. The methodology and history of the project are briefly discussed, followed by a more developed treatment of the current state of the representation language used (epistemological level), techniques for efficient ...

**14** Relational database behavior: utilizing relational discrete event systems and models

77%


 Z. M. Kedom , A. Tuzhilin

**Proceedings of the eighth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems** March 1989

Behavior of relational databases is studied within the framework of Relational Discrete Event Systems (RDE-Ses) and Models (RDEMs). Production system and recurrence equation RDEMs are introduced, and their expressive powers are compared. Non-deterministic behavior is defined for both RDEMs and the expressive power of deterministic and non-deterministic production rule programs is also compared. This comparison shows that non-determinism increases expressive ...

**15** Delegation logic: A logic-based approach to distributed authorization

77%


 Ninghui Li , Benjamin N. Grosz , Joan Feigenbaum

**ACM Transactions on Information and System Security (TISSEC)** February 2003  
Volume 6 Issue 1

We address the problem of authorization in large-scale, open, distributed systems. Authorization decisions are needed in electronic commerce, mobile-code execution, remote-resource sharing, privacy protection, and many other applications. We adopt the trust-management approach, in which "authorization" is viewed as a "*proof-of-compliance*" problem: Does a set of credentials prove that a request complies with a policy? We develop a logic-based language, called *Delegation Logic* (DL), t ...

**16** Spatio-temporal data handling: Enhancing GISs for spatio-temporal reasoning

77%


 A. Raffaetà , F. Turini , C. Renzo

**Proceedings of the tenth ACM international symposium on Advances in geographic information systems** November 2002

We present a system which provides geographical information systems (GISs) with enhanced capabilities for supporting spatio-temporal reasoning. On top of a commercial GIS we build a software layer supplying the user with a declarative spatio-temporal interaction with the underlying GIS. Declarative spatio-temporal reasoning is supported by the language MuTACLP, a constraint logic based knowledge representation language that offers facilities for modeling and handling spatio-temporal information, ...

**17** Five paradigm shifts in programming language design and their realization in Viron, a dataflow programming environment

77%

 Vaughan Pratt

**Proceedings of the 10th ACM SIGACT-SIGPLAN symposium on Principles of programming languages** January 1983

We describe five paradigm shifts in programming language design, some old and some relatively new, namely Effect to Entity, Serial to Parallel, Partition Types to Predicate Types,

Computable to Definable, and Syntactic Consistency to Semantic Consistency. We argue for the adoption of each. We exhibit a programming language, Viron, that capitalizes on these shifts.

**18** A functional approach to integrating database and expert systems

77%



Tore Risch , René Reboh , Peter E. Hart , Richard O. Duda

**Communications of the ACM** December 1988

Volume 31 Issue 12

A new system architecture shares certain characteristics with database systems, expert systems, functional programming languages, and spreadsheet systems, but is very different from any of these.

**19** Generating interesting scenarios from system descriptions

77%



Kaizhi Yue

**Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1** June 1988

A formal system specification is often written declaratively, in terms of the properties of the system components. This makes the system description modular and concise. However, this does not make the procedural aspects of the system easily understandable. Here arises the need for automatically generating interesting behavior patterns, specifically, scenarios. This paper is a preliminary report of our research in generating interesting scenarios. We define sever ...

**20** Parallel execution of prolog programs: a survey

77%



Gopal Gupta , Enrico Pontelli , Khayri A.M. Ali , Mats Carlsson , Manuel V. Hermenegildo

**ACM Transactions on Programming Languages and Systems (TOPLAS)** July 2001

Volume 23 Issue 4

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computatio ...

---

Results 1 - 20 of 39    [short listing](#)



1

2



---

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2003 ACM, Inc.





[Advanced Search](#) [Preferences](#) [Language Tools](#) [Search Tips](#)

knowledge base business inference

Google Search

[Web](#) · [Images](#) · [Groups](#) · [Directory](#) · [News](#)

Searched the web for **knowledge base business inference "partial order planner" goal user interface** . Resu

### **PLANNER** Specials - Weekly Savings at Office Depot!

Sponsored Link

[www.officedepot.com](http://www.officedepot.com) Spend \$50+ & Get FREE DELIVERY in Most Areas - Shop Now

### **KNOWLEDGE BASE APPLICATION, Scalable, Powerful, Web based, Easy to use**

Sponsored Link

[www.knowledgebase.net](http://www.knowledgebase.net) View Online Demo Now!, Free Pilot Program, ROI Calculator

[\[psj\]www.cs.sunysb.edu/~stent/ftp/proposal.ps.gz](http://psjwww.cs.sunysb.edu/~stent/ftp/proposal.ps.gz)

Sponsored Links

File Format: Adobe PostScript - [View as Text](#)

... it in" with information in the **knowledge base** [42 ... one process with several contributing

**knowledge** sources [64 ... are different conventions for **business** meetings and ...

[Similar pages](#)

#### **Business Plan Templates**

Free and trial versions for easier, better plans with Excel and Word

[www.planware.org](http://www.planware.org)

Interest: [\[interest\]](#)

[\[psj\]www.aiai.ed.ac.uk/~oplan/cdl/cdl-ker.ps](http://psjwww.aiai.ed.ac.uk/~oplan/cdl/cdl-ker.ps)

File Format: Adobe PostScript - [View as Text](#)

... framework for the construction of **knowledge base** refinement systems ... to tasks such

as **business** process redesign ... of this function, the static **knowledge** roles it ...

[Similar pages](#)

#### **Goal-Generator**

How to get everything you want, faster than you ever dreamed

[www.goal-generator.com](http://www.goal-generator.com)

Interest: [\[interest\]](#)

[\[psj\]www.aiai.ed.ac.uk/~oplan/cdl/gwphd.ps](http://psjwww.aiai.ed.ac.uk/~oplan/cdl/gwphd.ps)

File Format: Adobe PostScript - [View as Text](#)

... framework for the construction of **knowledge base** refinement systems ... defined as part

of the **knowledge** sharing effort. ... to tasks such as **business** process redesign ...

[Similar pages](#)

#### **Planner**

Save on Products. Compare Web-Wide & Find the Best Deal!

[www.mysimon.com](http://www.mysimon.com)

Interest: [\[interest\]](#)

#### **Goal Planning Made Easy**

Award-winning goal management site seen on CNN, ABC News, CBS, & WSJ

[www.myGoals.com](http://www.myGoals.com)

Interest: [\[interest\]](#)

[\[PDF\]The PLANET Roadmap on AI Planning and Scheduling](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... **Knowledge** Engineering Requirements . ... 133 22.Domain / **business** modelling 135 22.1 ... others,

carried out only when needed for achieving a task or reaching a **goal**. ...

[pst.ip.rm.cnr.it/en/events/planet/call4papers/roadmap.pdf](http://pst.ip.rm.cnr.it/en/events/planet/call4papers/roadmap.pdf) - [Similar pages](#)

#### **Business Planner- Compare**

Find prices, tax, shipping, & store ratings for Business Planner.

[www.calibex.com](http://www.calibex.com)

Interest: [\[interest\]](#)

[\[PDF\]TABLE OF CONTENTS](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Box Testing 72 2.3.3 Testing Graphical **User** Interfaces 73 ... The **goal** is to let a computer

perform much of ... would remove fallible humans from the **business** of coding ...

[www.ee.ualberta.ca/~dick/dissertation.pdf](http://www.ee.ualberta.ca/~dick/dissertation.pdf) - [Similar pages](#)

#### **Amazon.Com Business Books**

Wide range of Books for Business Spend \$25 for Free Shipping. Affil.

[www.amazon.com](http://www.amazon.com)

Interest: [\[interest\]](#)

[See your message here...](#)

[\[psjrakaposhi.eas.asu.edu/realplan-jour.ps](http://psjrakaposhi.eas.asu.edu/realplan-jour.ps)

File Format: Adobe PostScript - [View as Text](#)

... and UCPOP [45], a traditional **partial-order planner**[26],[36 ... Figure 10) with the **base** planners are ... additionally provide domain control **knowledge**, suggestions to ...

Similar pages

[PDF] [The PLANET Roadmap on AI Planning and Scheduling](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Domain / **business** modelling 135 22.1 ... environments, uncertainty and partial state **knowledge**, and mostly ... based systems that permit preprogrammed **goal**-directed and ...

planet.dfki.de/service/Resources/Roadmap/Roadmap.pdf - [Similar pages](#)

[PS] [www.aic.nrl.navy.mil/papers/1997/AIC-97-005.ps](#)

File Format: Adobe PostScript - [View as Text](#)

... Towards this **goal**, we reserved time for four 45 ... efforts, we focus on revising a **knowledge base** of cases ... is conversational CBR (CCBR) (eg, **Inference's** CBR Express ...

[Similar pages](#)

[PS] [www.cs.columbia.edu/~shaw/papers/thesis.ps](#)

File Format: Adobe PostScript - [View as Text](#)

... UCPOP (Penberthy and Weld, 1992), a **partial order planner**. ... Markers Interpretive summarization common sense **knowledge**. **inference** ontology Referential ref expr gen ...

[Similar pages](#)

[PS] [www.cs.cmu.edu/~mkant/AI/OldFiles/book/ptai1/old/ptai.ps.gz](#)

File Format: Adobe PostScript - [View as Text](#)

... FTP. sites go out of **business** and change their contents. ... PTF **BASE**, and the other scripts use it to find things. ... [2] DH Fisher, "**Knowledge** Acquisition Via ...

[Similar pages](#)

*In order to show you the most relevant results, we have omitted some entries very similar to the 20 already displayed.*

*If you like, you can repeat the search with the omitted results included.*



Result Page: [Previous](#) [1](#) [2](#)

knowledge base business inference

Google Search

[Search within results](#)

[Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [Services & Tools](#) - [Jobs](#), [Press](#), & [Help](#)

©2003 Google

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)**IEEE Xplore®**  
RELEASE 1.4Welcome  
United States Patent and Trademark Of[Help](#)  
[Review](#)[FAQ](#) [Terms](#) [IEEE Peer](#)[Quick Links](#)>> [Se](#)

Welcome to IEEE Xplore®

Your search matched **[0]** of **[945745]** documents.

- ☐ [Home](#)
- ☐ [What Can I Access?](#)
- ☐ [Log-out](#)

**Tables of Contents**

- ☐ [Journals & Magazines](#)
- ☐ [Conference Proceedings](#)
- ☐ [Standards](#)

**Search**

- ☐ [By Author](#)
- ☐ [Basic](#)
- ☐ [Advanced](#)

**Member Services**

- ☐ [Join IEEE](#)
- ☐ [Establish IEEE Web Account](#)
- ☐ [Access the IEEE Member Digital Library](#)

[Print Format](#)

You may refine your search by editing the current search expression or entering a new one the text box. Then click search Again.

((inference engine) and (partial order) and (plan or planner or planning)) and ((1950 <in

[Search Again](#)**OR**

Use your browser's back button to return to your original search page.

**Results:**

No documents matched your query.

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#)  
[Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#)  
[No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2003 IEEE — All rights reserved